

ZOOLOGY OF JAVA.

TEMMINCK, in the Fauna Japonica, states, that he knows 82 kinds of mammalia, 455 birds, and 90 species of amphibia, as inhabiting that island, although the interior is almost entirely unknown.

ON THE TWO SPECIES OF ECHIDNA, BY J. E. GRAY.

SIR E. HOME, in his paper in the Phil. Trans. for 1802, figured two specimens of this animal, and Cuvier (Règne Animal, vol. i. p. 225,) considered them as two species, naming the one *Echidna Hystrix*, and the other *E. setosa*; but most succeeding zoologists have regarded them as a single species, some considering the latter as either the winter state, others as the young of the former. The specimens which we have in the British Museum show that they are very distinct species, coming from different countries, and differing more in the colour of the fur than in the length of the spines. The *E. Hystrix*, Cuv. (*Myrmecophaga aculeata*, Shaw, *Misc. Nat.* t. 109, O. *Hystrix*, Home, *tab.* at p. 340,) is black, and came from the continent of New Holland, while *E. setosa*, Cuv. (Home, *tab.* at p. 341?), is brown, with a blackish spot on the orbit: this is confined to Van Diemen's Land. They both grow to the same size: the full grown are nearly eighteen inches long.

METEOROLOGICAL OBSERVATIONS FOR APRIL 1838.

Chiswick.—April 1. Cold and dry: frosty. 2. Sharp frost: cold and dry. 3—5. Fine. 6. Cloudy. 7. Rain. 8. Cloudy. 9—14. Very fine. 15. Fine: clear and windy. 16. Hail showers in forenoon: snow. 17. Cloudy and cold: showery at night. 18. Cold and dry. 19. Slight snow: overcast and cold. 20. Sleet and hail. 21. Fine. 22. Rain: fine. 23. Very fine: rain at night. 24, 25. Fine. 26, 27. Bleak and cold. 28, 29. Cold and dry. 30. Slight rain. The mean temperature of this month was four degrees below its usual average at this place.

Boston.—April 1. Snow. 2—4. Fine. 5. Fine: rain P.M. 6, 7. Cloudy: rain early A.M.; rain P.M. 8. Stormy: rain early A.M.; rain P.M. 9. Cloudy. 10. Rain. 11. Cloudy: $3\frac{3}{4}$ P.M. thermometer 65° . 12. Fine. 13. Cloudy. 14. Fine: rain P.M. 15. Cloudy: stormy P.M. 16. Stormy: snow P.M. 17. Stormy: snow early A.M. 18. Stormy: snow P.M. 19, 20. Cloudy: snow early A.M. 21. Cloudy: large quantity of hail A.M.: rain P.M. 22. Cloudy. 23. Fine: rain P.M. 24. Fine. 25. Cloudy: rain P.M. 26. Stormy. 27. Rain. 28, 29. Fine. 30. Rain: snow early A.M.: rain P.M.

Applegarth Manse, Dumfriesshire.—April 1. Clear and frosty. 2. Shower of snow: melted. 3. Moist: showery: cold. 4. Showery but mild. 5. Wet: cleared up: fine day. 6. Wet: blowy: cleared up. 7. Wet all day. 8. Dry: hills covered with snow. 9. Dry: cold: frosty morning. 10. Wet: showery all day. 11. Stormy, and wet P.M. 12. Stormy: dry: cold. 13. Clear and cold. 14. Slight showers. 15. Showers: violent wind. 16. Cold and stormy: frosty. 17. Cold and boisterous. 18. Frosty A.M.: very cold. 19. Cold and withering. 20. Still cold and barren. 21. Hoar frost A.M.: dull evening. 22. Dull and cloudy: no frost. 23. Slight rain A.M.: cleared up. 24. Slight rain A.M.: cleared up. 25. Cold and ungenial. 26. Very withering. 27. Hoar frost A.M. 28. Still withering. 29. Looking like rain. 30. Rain: cleared up P.M.